

For more Information  
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1-800-Belden1



### General Description:

Surveillance, CATV & MATV Cable, RG6, Rated-CM & CL2, 18 AWG solid bare copper, foamed polyolefin core, Duobond®+60% aluminum braid, PVC jacket

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BC - Bare Copper	1.016

Total Number of Conductors: 1

#### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	4.572

#### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 6.858 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 41.670 Kg/Km

Max. Recommended Pulling Tension: 302.478 N

Min. Bend Radius/Minor Axis: 69.850 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM, CL2

CEC/C(UL) Specification: CM

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Other Specification: NEC Articles 820

RG Type: 6/U

Series Type: Series 6

### Flame Test

UL Flame Test: UL1685 UL Loading

C(UL) Flame Test: FT1

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

75

### Nom. Inductance:

Inductance (µH/m)

0.318257

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

53.4803

### Nominal Velocity of Propagation:

VP (%)

83

### Nominal Delay:

Delay (ns/m)

3.97001

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

21.3265

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

29.529

### Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
4	1.9686
30	4.36373
211	10.1055
270	11.4835
300	12.1397
330	12.7631
400	14.1083
450	15.027
550	16.7003
750	19.686
870	21.3265
1000	22.967

### Max. Operating Voltage - UL:

Voltage
350 V RMS

**Minimum Structural Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	50	25

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5399B5 010U1000	1,000 FT	30.000 LB	BLACK		SERIES 6 COAX

Revision Number: 1    Revision Date: 03-11-2013

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